## **EUROPEAN PATENT OFFICE**

## **Patent Abstracts of Japan**

PUBLICATION NUMBER

59159129

PUBLICATION DATE

08-09-84

APPLICATION DATE

01-03-83

APPLICATION NUMBER

58033457

APPLICANT: MITSUBISHI ELECTRIC CORP;

INVENTOR: MYODO SHIGERU;

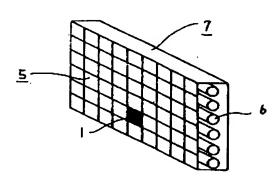
INT.CL.

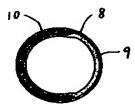
: G02F 1/133 G09F 9/00

TITLE

: TRANSMISSION TYPE LIQUID

CRYSTAL DISPLAY DEVICE





ABSTRACT: PURPOSE: To reduce consumption of electric power and to obtain a display image high in luminance by using a straight tube type fluorescent lamp provided with a reflective film on the side reverse to the side facing a liquid crystal plate as a light source.

> CONSTITUTION: An illumination device 7 provided with a built-in fluorescent lamp 6 is arranged on the backside of a display part 5 consisting of a liquid crystal plate 1. A reflective film 10 is formed on at least half or more of the outer circumference of the glass tube 8 of the lamp 6. Therefore, consumption of power is saved, and an image of high luminance is obtained.

COPYRIGHT: (C)1984, JPO& Japio